

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application.

Listing of Claims:

1-2. (Canceled)

3. (Currently amended) A substantially pure polypeptide comprising the amino acid sequence of SEQ ID NO:1.

4-5. (Canceled)

6. (Withdrawn) An isolated nucleic acid encoding the polypeptide of claim 1.

7. (Withdrawn) An isolated nucleic acid encoding the polypeptide of claim 3.

8. (Withdrawn) An isolated nucleic acid encoding the polypeptide of claim 4.

9. (Withdrawn) An isolated nucleic acid comprising a strand that hybridizes under stringent conditions to a single stranded probe, the sequence of which consists of any one of SEQ ID NOs:3, 59, 75, 78, 79, 80, 81, 85, 86, or 87, or the complement of any one of SEQ ID NOs:3, 59, 75, 78, 79, 80, 81, 85, 86, or 87.

10. (Withdrawn) The isolated nucleic acid of claim 9, wherein the nucleic acid encodes a polypeptide that contains a PDZ domain.

11. (Withdrawn) The nucleic acid of claim 10, wherein the amino acid sequence of the polypeptide comprises any one of SEQ ID NOs:1, 2, 82, 83, or 84.

12. (Withdrawn) The nucleic acid of claim 9, wherein the strand is at least 15 nucleotides in length.

13. (Withdrawn) The nucleic acid of claim 12, wherein the nucleic acid is an antisense nucleic acid that inhibits expression of a polypeptide comprising any one of SEQ ID NOs:1, 2, 82, 83, or 84.

14. (Withdrawn) A vector comprising the nucleic acid of claim 6.

15. (Withdrawn) A vector comprising the nucleic acid of claim 7.

16. (Withdrawn) A vector comprising the nucleic acid of claim 8.

17. (Withdrawn) A vector comprising the nucleic acid of claim 9.

18. (Withdrawn) A vector comprising the nucleic acid of claim 10.

19. (Withdrawn) A cultured host cell comprising the nucleic acid of claim 6.

20. (Withdrawn) A cultured host cell comprising the nucleic acid of claim 7.

21. (Withdrawn) A cultured host cell comprising the nucleic acid of claim 8.

22. (Withdrawn) A cultured host cell comprising the nucleic acid of claim 9.

23. (Withdrawn) A cultured host cell comprising the nucleic acid of claim 10.
24. (Withdrawn) An antibody that specifically binds to the polypeptide of claim 1.
25. (Withdrawn) A method of producing a polypeptide, the method comprising isolating the polypeptide from the cultured host cell of claim 19.
26. (Withdrawn) A method of screening for a compound that specifically binds to a polypeptide, the method comprising contacting a test compound with the polypeptide of claim 1, and comparing the extent to which the test compound binds to the polypeptide with the extent to which a reference compound binds to the polypeptide, wherein a test compound binding to the polypeptide to a greater extent than the reference compound indicates that the test compound specifically binds to the polypeptide.
27. (Withdrawn) The method of claim 26, wherein the test compound is a test polypeptide.
28. (Withdrawn) The method of claim 27, further comprising identifying the gene that encodes the test polypeptide.
29. (Withdrawn) A compound that binds to the polypeptide of claim 1.
30. (Withdrawn) The compound of claim 29, wherein the compound is a polypeptide.
31. (Withdrawn) A gene encoding the compound of claim 30.

32. (Withdrawn) The nucleic acid of claim 12, wherein the nucleic acid is an antisense nucleic acid that inhibits expression of a polypeptide comprising any one of SEQ ID NOs:1, 2, 82, 83, or 84.

33. (Withdrawn) A fusion protein comprising any one of SEQ ID NOs:1, 2, 82, 83, or 84 and another amino acid sequence.

34. (Withdrawn) The fusion protein of claim 33, wherein the other amino acid sequence is specifically bound by an antibody.

35. (Currently amended) A substantially pure polypeptide comprising the amino acid sequence of SEQ ID NO:2.

36. (Currently amended) The polypeptide of claim 3, wherein the polypeptide consists of the amino acid sequence of SEQ ID NO:1.

37. (Currently amended) The polypeptide of claim 35, wherein the polypeptide consists of the amino acid sequence of SEQ ID NO:2.